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ABBREVIATIONS

AAS	Atomic absorption spectrometry
Abs	Absorbance
ACP	Alternate current polarography
ACV	Alternate current voltammetry
AD	Amperometric detector
AdCSV	Adsorptive cathodic stripping voltammetry
AE	Auxiliary electrode
AFB1	Aflatoxin B1
AFB2	Aflatoxin B2
AFG1	Aflatoxin G1
AFG2	Aflatoxin G2
AFM1	Aflatoxin M1
AFM2	Aflatoxin M2
AFP1	Aflatoxin P1
AFQ1	Aflatoxin Q1
Ag/AgCl	Silver/silver chloride
ASV	Anodic stripping voltammetry
β -CD	β -cyclodextrin
BFE	Bismuth film electrode
BLMs	Bilayer lipid membranes
BRB	Britton Robinson Buffer
C _A	Concentration of analyte
CE	Capillary electrophoresis
CGME	Controlled growth mercury electrode
CME	Chemically modified electrode
CPE	Carbon paste electrode
CSV	Cathodic stripping voltammetry
CV	Cyclic voltammetry

DC	Direct current
DCP	Direct current polarography
DME	Dropping mercury electrode
DMSO	Dimethyl sulphonic acid
DNA	Deoxyribonucleic acid
DPCSV	Differential pulse cathodic stripping voltammetry
DPP	Differential pulse polarography
DPV	Differential pulse voltammetry
E_{acc}	Accumulation potential
E_i	Initial potential
E_f	Final potential
E_{high}	High potential
E_{low}	Low potential
E_p	Peak potential
ECS	Electrochemical sensing
$Et_4NH_4 OH$	Tetraethyl ammonium hydroxide
ELISA	Enzyme linked immunosorbant assay
FD	Fluorescence detector
FDA	Food and Drug Administration
GCE	Glassy carbon electrode
GC-FID	Gas chromatography with flame ionisation detector
HMDE	Hanging mercury drop electrode
HPLC	High performance liquid chromatography
HPTLC	High pressure thin liquid chromatography
IAC	Immunoaffinity chromatography
IACLC	Immunoaffinity column liquid chromatography
IAFB	Immunoaffinity fluorometer biosensor
IARC	International Agency for Research Cancer
I_c	Charging current
I_d	Diffusion current
I_f	Faradaic current

I _p	Peak height
ICP-MS	Induced coupled plasma-mass spectrometer
IR	Infra red
IUPAC	International Union of Pure and Applied Chemistry
KGy	Kilogray
LD ₅₀	Lethal dose 50
LOD	Limit of detection
LOQ	Limit of quantification
LSV	Linear sweep voltammetry
MFE	Mercury film electrode
MS	Mass spectrometer
MECC	Micellar electrokinetic capillary chromatography
MOPS	3-(N-morpholino)propanesulphonic
MOSTI	Ministry of Science, Technology and Innovation
NP	Normal polarography
NPP	Normal pulse polarography
NPV	Normal pulse voltammetry
OPLC	Over pressured liquid chromatography
PAH	Polycyclic aromatic hydrocarbon
PLL	Poly-L-lysine
ppb	part per billion
ppm	part per million
PSA	Potentiometric stripping analysis
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine
RE	Reference electrode
RIA	Radioimmunoassay
RNA	Ribonucleic acid
RSD	Relative standard deviation
S/N	Signal to noise ratio
SCE	Standard calomel electrode
SCV	Stair case voltammetry

SDS	Sodium dodecyl sulphate
SHE	Standard hydrogen electrode
SIIA	Sequential injection immunoassay
SMDE	Static mercury drop electrode
SPE	Solid phase extraction
SPCE	Screen printed carbon electrode
SWP	Square-wave polarography
SWV	Square-wave voltammetry
SWSV	Square-wave stripping voltammetry
SV	Stripping voltammetry
t_{acc}	Accumulation time
TBS	Tris buffered saline
TEA	Triethylammonium
TLC	Thin layer chromatography
TFA	Trifluoroacetic acid
UME	Ultra microelectrode
v	Scan rate
v/v	Volume per volume
UVD	Ultraviolet-Visible detector
UV-VIS	Ultraviolet-Visible
WE	Working electrode
WHO	World Health Organisation
λ_{max}	Maximum wavelenght
ϵ_{max}	Maximum molar absorptivity

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